

New Data and Updates at PO.DAAC

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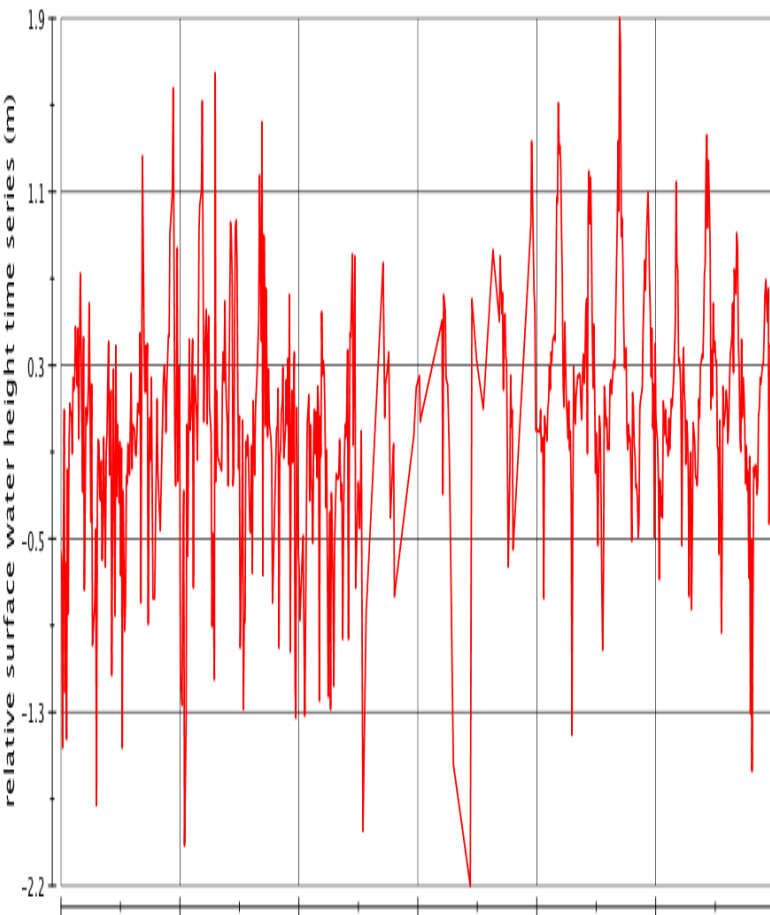
Outline

- Datasets
 - Pre-SWOT Hydrology
 - Integrated Multi-Mission Ocean Altimeter Tools
- Tools
 - HiTIDE
 - SOTO
 - Drive
- SWOT Survey
- Tutorials and recipes

Pre-SWOT Hydrology - MEaSUREs 2012 Lettenmaier, Durand, et. al

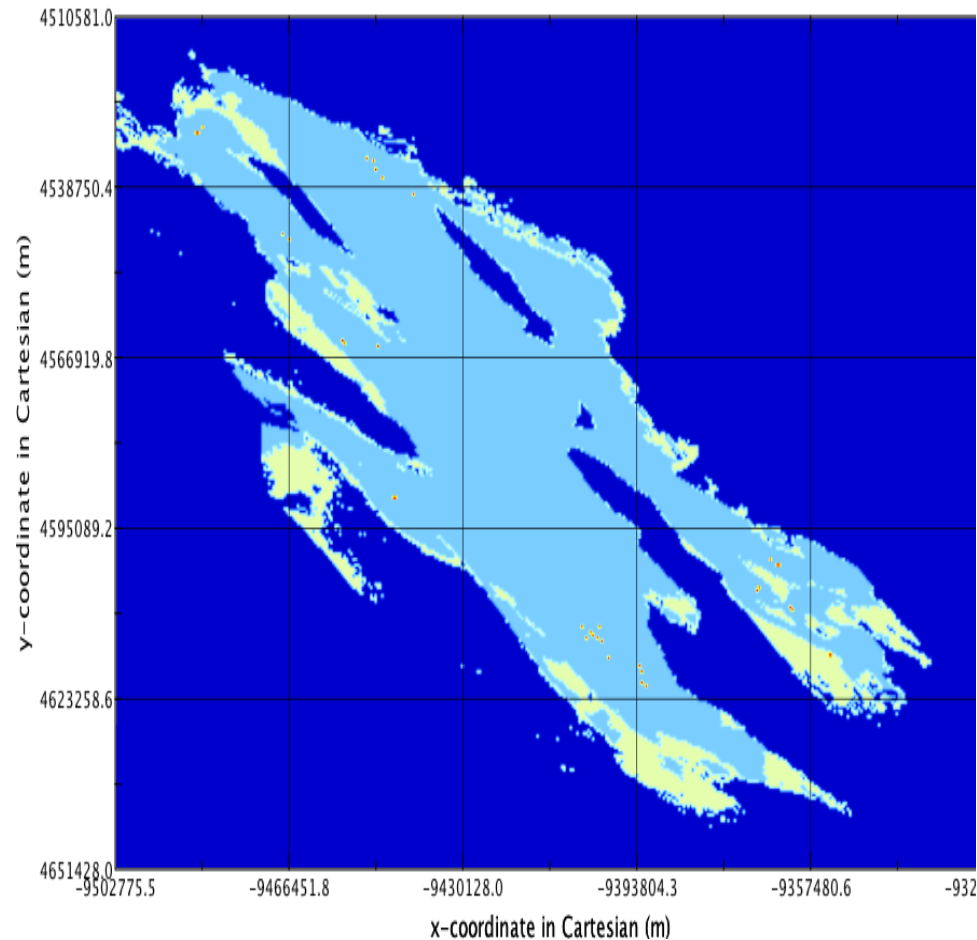
GREALM Lake Heights

GREALM relative surface water height time series at Yellowstone



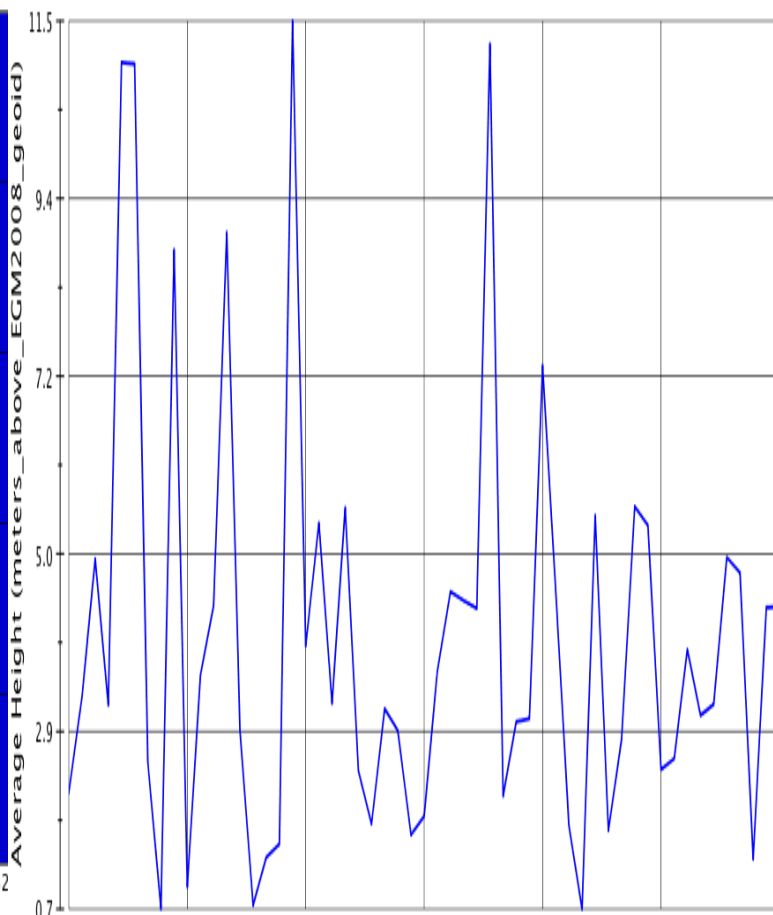
Lake Area

land classification flag

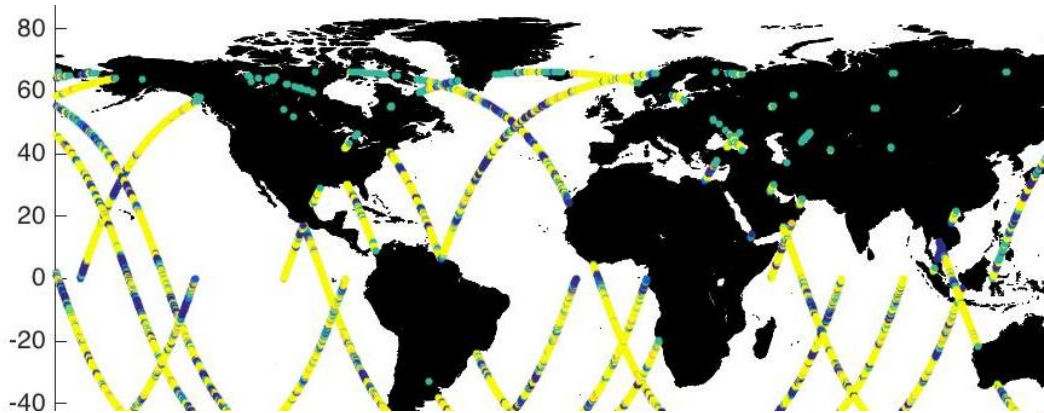


GRRATS River Heights

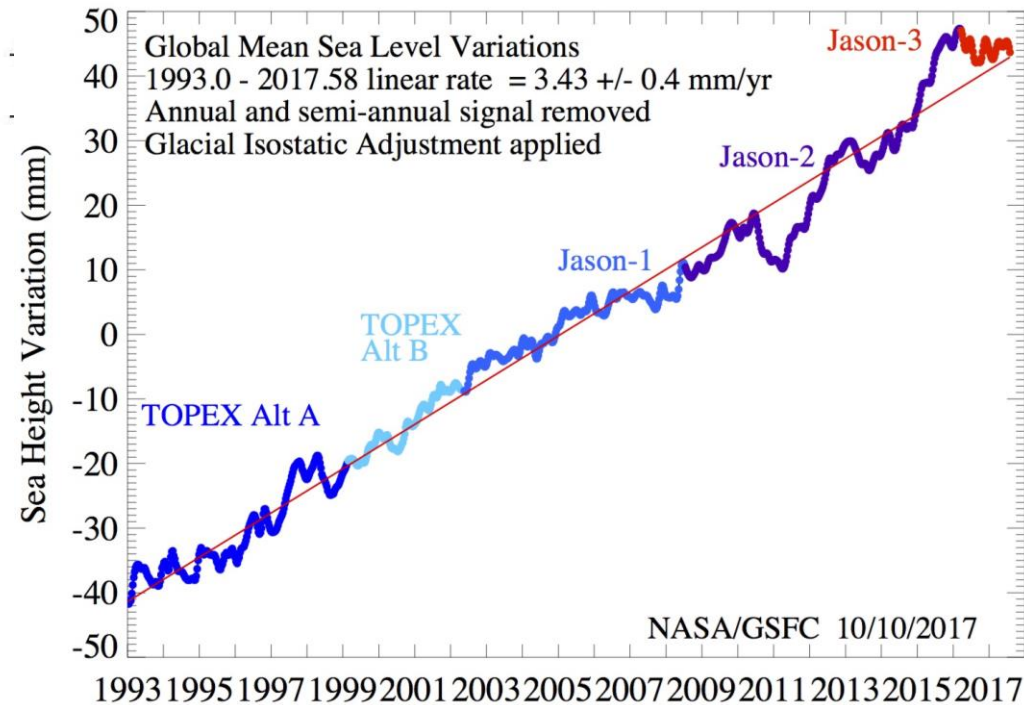
GRRATS Columbia River Heights



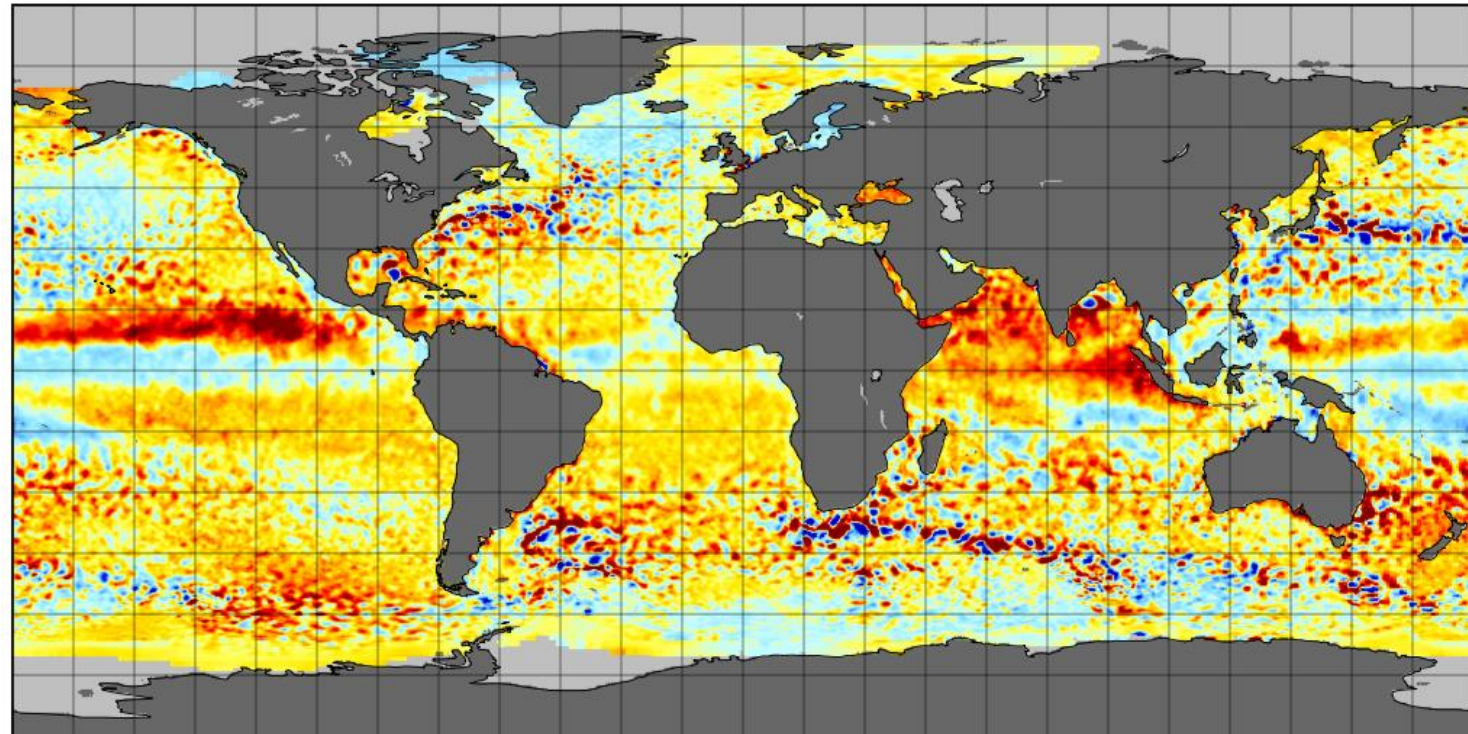
MEaSUREs 2012 Integrated Multi-Mission Ocean Altimeter and Gridded SSHA



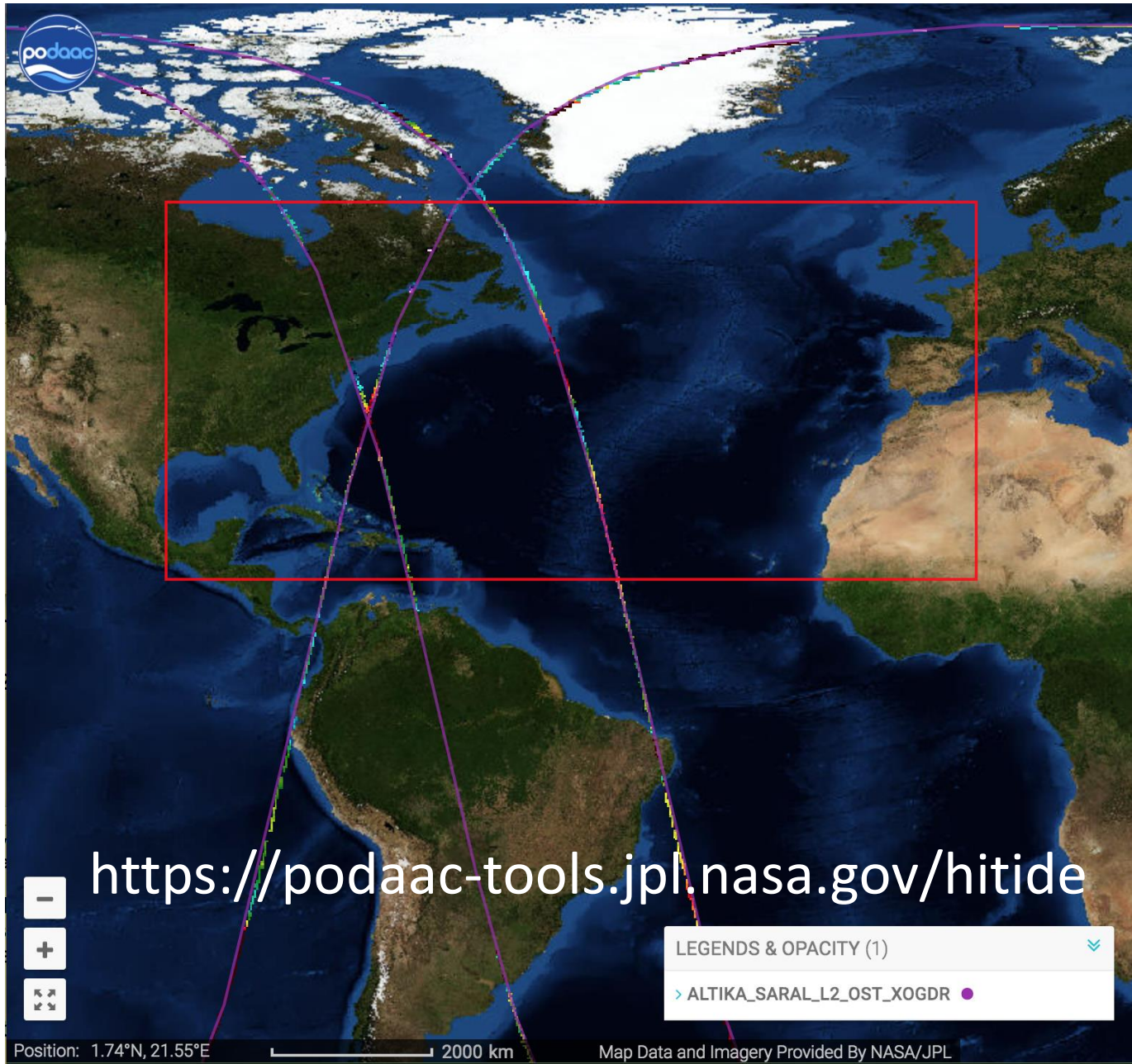
Level2/swath version 4



Gridded via Kriging



HiTIDE – Swath subsetter



HiTIDE

SEARCH DATASETS GRANULE SELECTION 1 DOWNLOADS 163

Downloads

Review the selections you have made then submit them for processing. We will zip and email you the results.

REVIEW GRANULES SELECTED FOR DOWNLOAD

ALTIKA_SARAL_L2_OST_XOGDR 163 Granule(s) X

Region: -96.289, 14.063, 1.797, 59.766
Date Range: 2017/10/01 to 2017/10/18
Granule Name Filter: None

Select Extraction Variables

☒ surface_type
☒ rad_surf_type
☒ ecmwf_meteo_map_avail
☒ trailing_edge_variation_flag

Enter email address

Cut Scanline ☐

Merge Granules ☐

DOWNLOAD SELECTED GRANULES

Note: Once submitted, downloads cannot be canceled.

YOUR DOWNLOADS

Start Time	Status
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SOTO – State Of The Ocean

<https://podaac-tools.jpl.nasa.gov/soto>

State of the Ocean 4.2

SEARCHED DATASETS

Ocean Color

Aqua/Mo...

SSH Anomaly

20 year MEaSUREs

SST Anomaly

average GHRST

Sea Surface

GHRST

True Color

Aqua/Mo...

1992

1992

Available Datasets

SEARCH

MATCHING DATASETS

DATASET INFORMATION

All

19

✓

SSH Anomaly (L4, 5-day 1/6 Deg, heights above a 20 year time-mean (1993-2012))

MEaSUREs/JPL

i

Ocean Color

1

Ocean Surface Current

2

Ocean Surface Wind

4

Sea Ice

1

Sea Surface Height

1

Sea Surface Salinity

1

Sea Surface Temperature

4

Soil Moisture

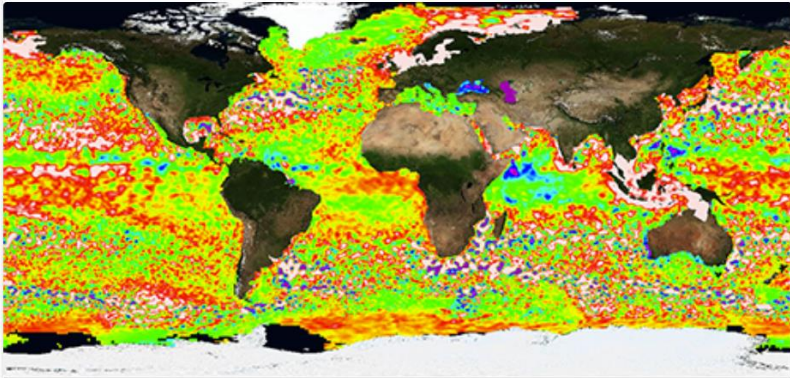
2

Surface Precipitation

2

True Color

1



SSH Anomaly (L4, 5-day 1/6 Deg, heights above a 20 year time-mean (1993-2012))

MEaSUREs/JPL

Gridded Sea Surface Height Anomalies (SSHA) above a mean sea surface, on a 1/6th degree grid every 5 days. The gridded data are derived from the SSHA data of TOPEX/Poseidon, Jason-1, Jason-2 and Jason-3, ERS-1, ERS-2, Envisat, SARAL-AltiKa, and CryoSat-2, depending on the date. There can be a lag, up to 2 weeks, before the latest data are displayed due to the availability of data and processing time.

Drive

<https://podaac-uat.jpl.nasa.gov/drive>

- Sentinel-3A data distribution, once available
- Replicates FTP functionality
 - Browser based directory exploration
 - Click to download and shareable links
 - Support for curl and wget
- Earthdata login required
- WebDAV
 - Mount the entire archive to your machine
 - Explore, read, analyze as if the files are local
 - Works with popular tools like Panoply and NetCDF command line tools
- <https://youtu.be/VZmzWANEKBs>

SWOT Survey - tinyurl.com/swotsurvey2

This survey is designed to help quantify user requirements on the SWOT data distribution and archive system hosted by JPL through PO.DAAC in support of science and applications users. If you are interested in using SWOT data please fill out the survey to help design the data distribution system.

SWOT User Survey 2.0

You may have been invited in the past for the initial SWOT User Survey that was used for scoping applications and science that could be addressed from SWOT. This survey is designed to help us quantify user requirements on the SWOT data distribution and archive system hosted by JPL through PO.DAAC in support of science and applications users. Although NASA makes a distinction between science users and application users, it is important to note that for this survey, we are interested in ALL USERS.

As such, ***it would be extremely useful if you would forward this survey to anyone that you know (graduate students, colleagues, etc.) who may be interested in using SWOT data so that we can appropriately design the system to accommodate SWOT user needs***. The more questions answered (i.e. not skipped), the better understanding we will have of user needs for the system.

OBJECTIVE

This survey is a tool to understand which users can be served by what SWOT will provide as designed. SWOT and PO.DAAC do not commit to designing their data systems around any one specific use case.


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Never submit passwords through Google Forms.

Tutorials and Recipes

<https://podaac.jpl.nasa.gov/forum>















Physical Oceanography Distributed Active Archive Center



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PODAAC FORUMS	TOPICS	POSTS	LAST POST
 General Questions	23	50	by phyllishofer  Fri Sep 15, 2017 7:08 am
 Data Recipes Programming scripts on how to read, analyze and access PO.DAAC data	84	94	by lmcgibbn  Fri Oct 20, 2017 3:28 pm
 Data Access Tools and services	87	204	by huntingbow  Sun Oct 08, 2017 1:27 am
 Ocean Stories Discussions A forum where our User community can discuss about Ocean Stories we've published in our Web Portal.	30	37	by podaac  Mon Oct 16, 2017 4:08 pm
 Tutorials PODAAC products and services related tutorials	13	7	by podaac  Mon Aug 21, 2017 11:50 am
 PO.DAAC Meetings and Workshops PO.DAAC team members participation at recent and upcoming meetings and workshops	11	14	by podaac  Tue Oct 17, 2017 12:48 pm

FREQUENTLY ASKED QUESTIONS	TOPICS	POSTS	LAST POST
 General Information FAQ	26	30	by beckham2000  Mon Oct 02, 2017 4:21 pm

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Statistics
Total posts **728** • Total topics **470** • Total members **226** • Our newest member **tomjjp**

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<div><div></div><div>Tutorial: PO.DAAC 101 - How to Use OPeNDAP to Access Data by podaac » Wed Aug 09, 2017 11:01 am</div></div>	0	505	by podaac <div></div> Wed Aug 09, 2017 11:01 am
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<div><div></div><div>Data Access Webinar: PO.DAAC Drive and HITIDE by mgierach09 » Tue Oct 04, 2016 12:20 am</div></div>	0	1640	by mgierach09 <div></div> Tue Oct 04, 2016 12:20 am
<div><div></div><div>Video Tutorial on Web-based Aquarius Data Visualization by vtsontos » Wed Jun 29, 2016 4:07 pm</div></div>	0	2155	by vtsontos <div></div> Wed Jun 29, 2016 4:07 pm
<div><div></div><div>Video Tutorial on Accessing Aquarius Data at PO.DAAC by vtsontos » Wed Jun 29, 2016 4:02 pm</div></div>	0	1077	by vtsontos <div></div> Wed Jun 29, 2016 4:02 pm
<div><div></div><div>Video Tutorial on Discovering Aquarius Data at PO.DAAC by vtsontos » Wed Jun 29, 2016 3:53 pm</div></div>	0	1080	by vtsontos <div></div> Wed Jun 29, 2016 3:53 pm
<div><div></div><div>Video Tutorial on LAS Usage for Visualization & Subsetting by vtsontos » Wed Jun 29, 2016 3:50 pm</div></div>	0	1758	by vtsontos <div></div> Wed Jun 29, 2016 3:50 pm
<div><div></div><div>Video Tutorial on Accessing Data at PO.DAAC by vtsontos » Wed Jun 29, 2016 3:41 pm</div></div>	0	1486	by vtsontos <div></div> Wed Jun 29, 2016 3:41 pm
<div><div></div><div>Video Tutorial on Discovering Data at PO.DAAC by vtsontos » Wed Jun 29, 2016 3:34 pm</div></div>	0	1478	by vtsontos <div></div> Wed Jun 29, 2016 3:34 pm

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Data Recipes Visualization








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- Numeric
- Others

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<div><div></div><div>Level 2 Visualization Using Python Pyresample Library (1) by yiboj » Sun Oct 23, 2016 3:10 pm</div></div>	0	1066	by yiboj  Sun Oct 23, 2016 3:10 pm
<div><div></div><div>Image Manipulation Using ImageMagick Command-Line Tools by yiboj » Mon Oct 03, 2016 8:46 pm</div></div>	0	934	by yiboj  Mon Oct 03, 2016 8:46 pm
<div><div></div><div>Data Animation Using Python (Part 2) by yiboj » Fri Sep 23, 2016 5:20 pm</div></div>	0	1065	by yiboj  Fri Sep 23, 2016 5:20 pm
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<div><div></div><div>Data Animation Using Python (Part 1) by yiboj » Thu Sep 08, 2016 10:01 pm</div></div>	0	1193	by yiboj  Thu Sep 08, 2016 10:01 pm
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